BEAD Program: A Framework to Allocate Funding for Broadband Availability State Broadband Report: New Jersey

January 2024





NEW JERSEY 🏅

BEAD Program Impact Assessment

1 Eligible Locations

How many unserved/underserved locations are eligible for BEAD funding?



OF NEW JERSEY LOCATIONS LACK HIGH-SPEED BROADBAND IN JUN 2023 VS. 9% STATE/TERRITORY AVERAGE

UNSERVED LOCATIONS, JUN. 2024



Are estimated to lack broadband access at 25/3 Mbps

UNDERSERVED LOCATIONS, JUN. 2024



Are estimated to lack broadband access at **100/20 Mbps**

These locations are primarily in rural areas and are eligible for BEAD funding to deploy broadband service.



Total Funding

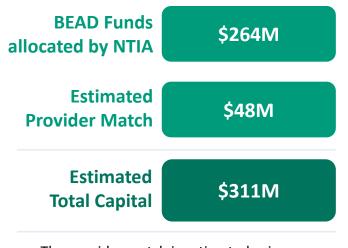
How much capital funding is the State/Territory estimated to have?



IN BEAD FUNDING HAS BEEN ALLOCATED TO NEW JERSEY

VS. \$743M STATE/TERRITORY AVERAGE

ESTIMATED BEAD FUNDING:



The provider match is estimated using a high-level service provider business case. See national summary deck for full details.



Deployment

How many locations can be covered with fiber and other technologies?



OF BEAD FUNDS IS REQUIRED TO BUILD HIGH-SPEED BROADBAND TO ALL ELIGIBLE LOCATIONS

DEPLOYMENT SCENARIOS:

Baseline Fiber Haximum Fiber

100% 76% LOCATIONS FIBER REACHED LOCATIONS

6 100% R LOCATIONS DNS REACHED

NS FIBER D LOCATIONS

100%

\$110M TOTAL CAPITAL COST \$159M TOTAL CAPITAL COST

\$201M REMAINING BUDGET

VERSION 4.0

\$153M REMAINING BUDGET



1

New Jersey | Estimated Eligible Locations for BEAD Projects

June 2023 FCC Broadband Locations	Unserved (less than 25Mbps/3Mbps)	Underserved (less than 100Mbps/20Mbps)	Location Distribution in June 2024	
	16.0K	2.8K	 Served Underserved and Unserved Unserved Unserved 	
Subsidy Program Funded Locations ¹	0.1K	0.1K	2.6M 16.5K 0.1% of locations are underserved 0.5% of locations	
Incremental Build ² (13% annual build, for 12 months)	2.1K		A 13.8K 16.5K New Jersey	
G Jun. 2024 Estimated Eligible Locations	13.8K 🛕	2.7K B	We estimate 0.6% of locations will be eligible for BEAD Project Funding in New Jersey	

1. Locations with "commitments" to receive support from federal subsidy programs

2. Given the uncertainty around the magnitude of locations moving from unserved to underserved, we have not made incremental builds adjustments to underserved locations

BEAD eligible locations does not account for state-specific eligibility rules set forth in Initial Proposals

Source: Cartesian, FCC National Broadband Map (June 2023 data, released in November 2023)

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Estimate Eligible

Locations

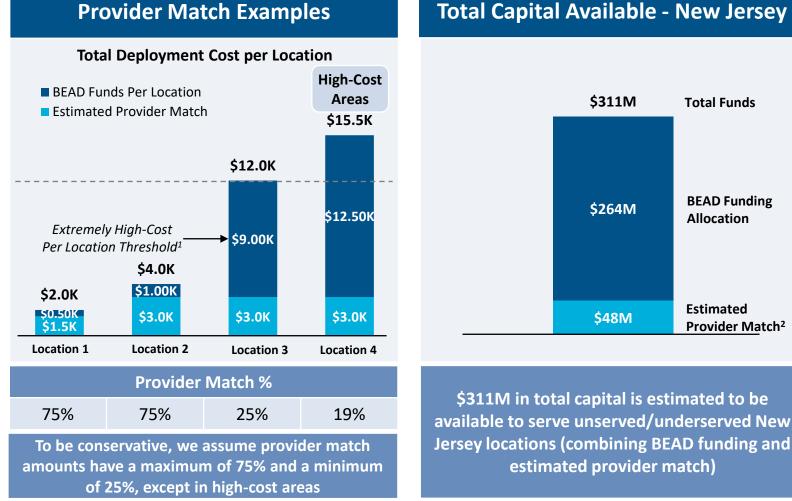
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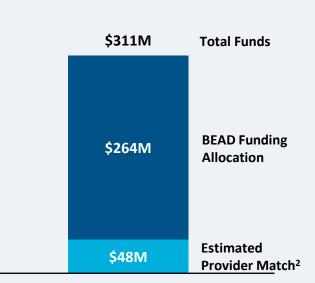


2

Calculate BEAD Funding

New Jersey | BEAD Funding & Estimated Provider Match





\$311M in total capital is estimated to be available to serve unserved/underserved New Jersey locations (combining BEAD funding and estimated provider match)



We estimate the average provider match will be \$2,901 – provider matches will be 75% where cost to deploy is less than \$4K

1. The model uses a \$9k threshold, however, States/Territories will individually need to determine their appropriate extremely high-cost threshold

2. In reality, providers will determine the viable level of match funding for each project using a business case model. They will be willing to contribute a greater match in some locations and less in others. Locations which are hardest to serve may need to be fully funded by BEAD with no match. Competitive bidding should drive provider matches towards this level. Source: Cartesian, FCC National Broadband Map (June 2023 data, released in November 2023), Benton, NTIA

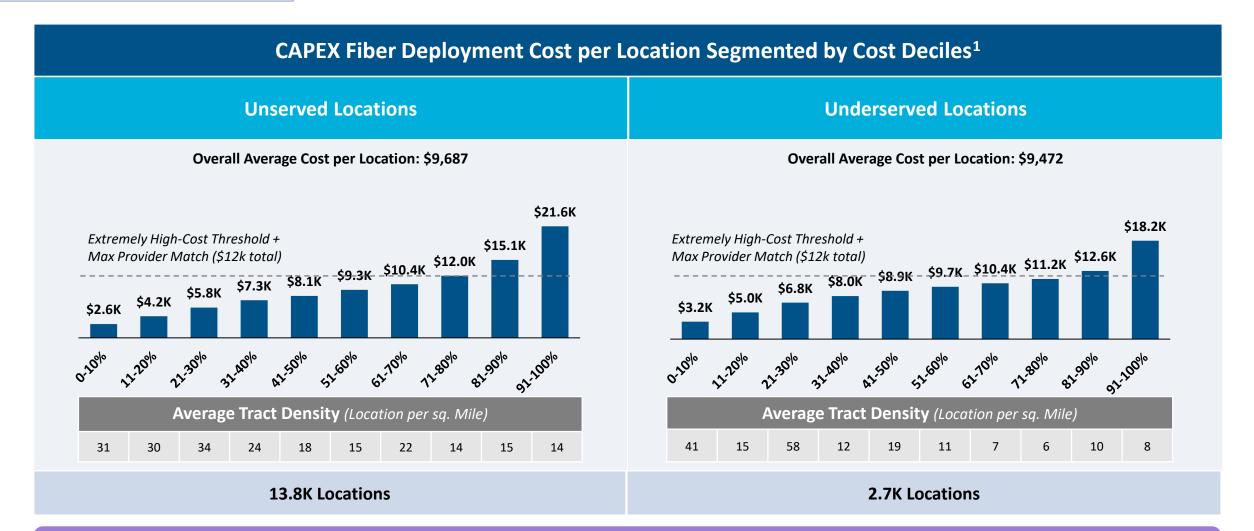
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Develop Deployment Scenarios

New Jersey | Cost to Deploy Fiber by Decile



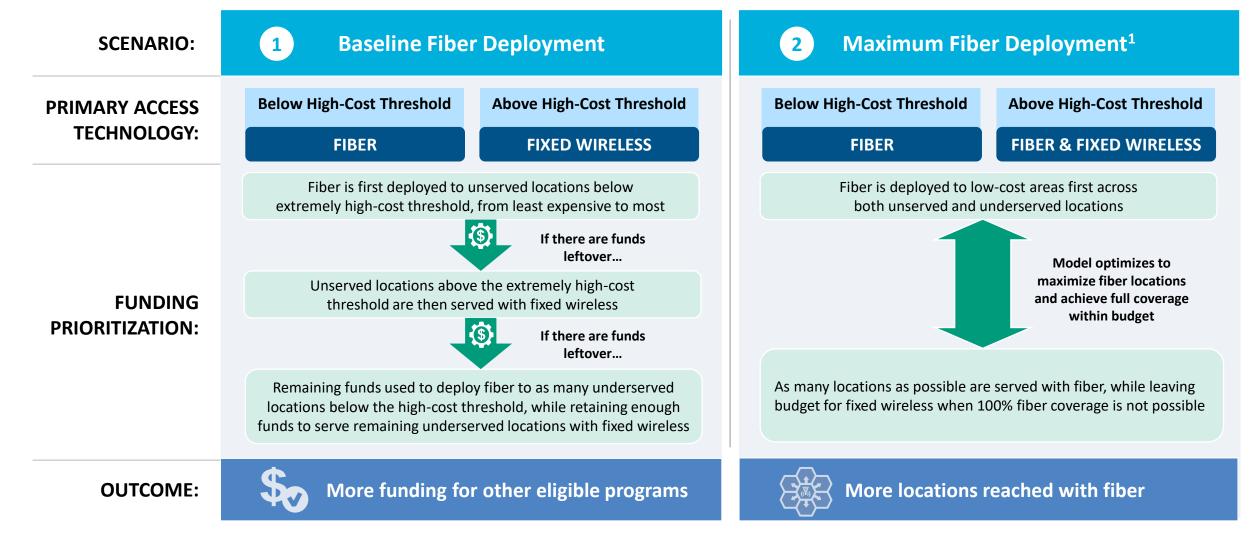
Over 70% of locations are estimated to fall below the High-Cost Threshold + Provider Match



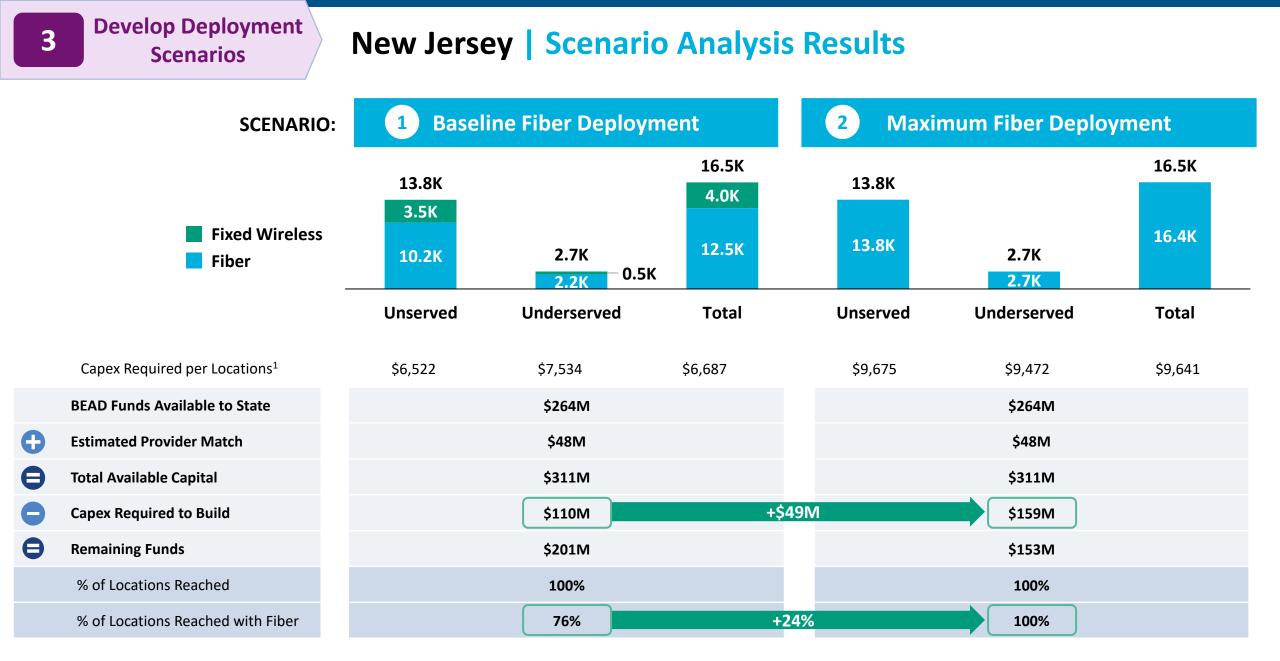


Develop Deployment Scenarios

New Jersey | Fiber Preferencing Scenarios



VERSION 4.0



1. Funding to deploy fiber before the maximum \$3k provider match per location Source: Cartesian, FCC National Broadband Map (June 2023 data, released in November 2023), Benton, NTIA Confidential and Proprietary — Copyright © 2024 Cartesian, Inc. All rights reserved.



New Jersey | Conclusion

Funding Summary	Key	y Findings	
New Jersey is expected to receive	New Jersey appears well positioned to reach all eligible premises and have funding for other BEAD eligible programs		
\$264M in BEAD funding			
+	A Baseline Fiber Deployment vs.	Maximizing Fiber	
\$48M in estimated provider matching	 Leaves \$201M additional funds for affordability programs 	 Leaves \$153M additional funds for affordability programs 	
We estimate the funding is sufficient to reach all of New Jersey's 16.5k eligible locations with high-speed broadband		 Reaches 100% of locations with fiber Requires 0% to be reached with other tech. 	

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New Jersey | ACA Connects Members

Member Name
Astound Broadband
Consolidated Communications, Inc.
Hotwire Communications Ltd
Service Electric Cable TV, Inc.





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